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Related WPI Acc No: 2002-206017; 2003-278314; 2003-342384; 2003-829456

XRAM Acc no: C2002-066334

Substituted phenyl oxazolidinone derivatives are useful as antimicrobial agents effect against a nun
 Patent Assignee: ARORA S K (AROR-I); DAS B (DASB-I); MEHTA A (MEHT-I); RANBAXY LAB I S (RUDR-I)

Inventor: ARORA S K; DAS B; MEHTA A; METHA A; RATTAN A; RAY A; RUDRA S; SUDERSHA
 Patent Family (17 patents, 95 & countries)

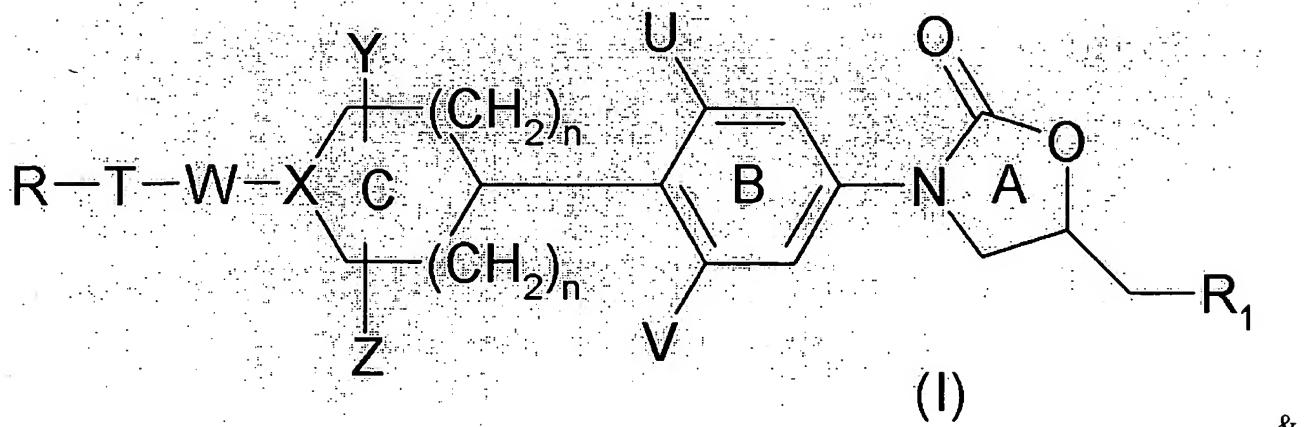
| Patent Number | Kind | Date | Application Number | Kind | Date | Update | Type |
|----------------|------|----------|--------------------|------|----------|--------|------|
| WO 2002006278 | A1 | 20020124 | WO 2001IB1262 | A | 20010716 | 200227 | B |
| AU 200169370 | A | 20020130 | AU 200169370 | A | 20010716 | 200236 | E |
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| ZA 200300471 | A | 20040128 | ZA 2003471 | A | 20030117 | 200420 | E |
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| RU 2292345 | C2 | 20070127 | WO 2001IB1262 | A | 20010716 | 200752 | E |

Priority Applications (no., kind, date): IN 2000DE654 A 20000717

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| RU 2292345 | C9 | 20070510 | RU 2003103767 | A | 20010716 | WO 2001IB1262 | A | 20010716 | 200752 | E | Patent Num |
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Alerting Abstract WO A1

NOVELTY - Substituted phenyl oxazolidinone derivatives (I), their salts, enantiomers, diastereomers, N-DESCRIPTION - Substituted phenyl oxazolidinone derivatives of formula (I), their salts, enantiomers, di

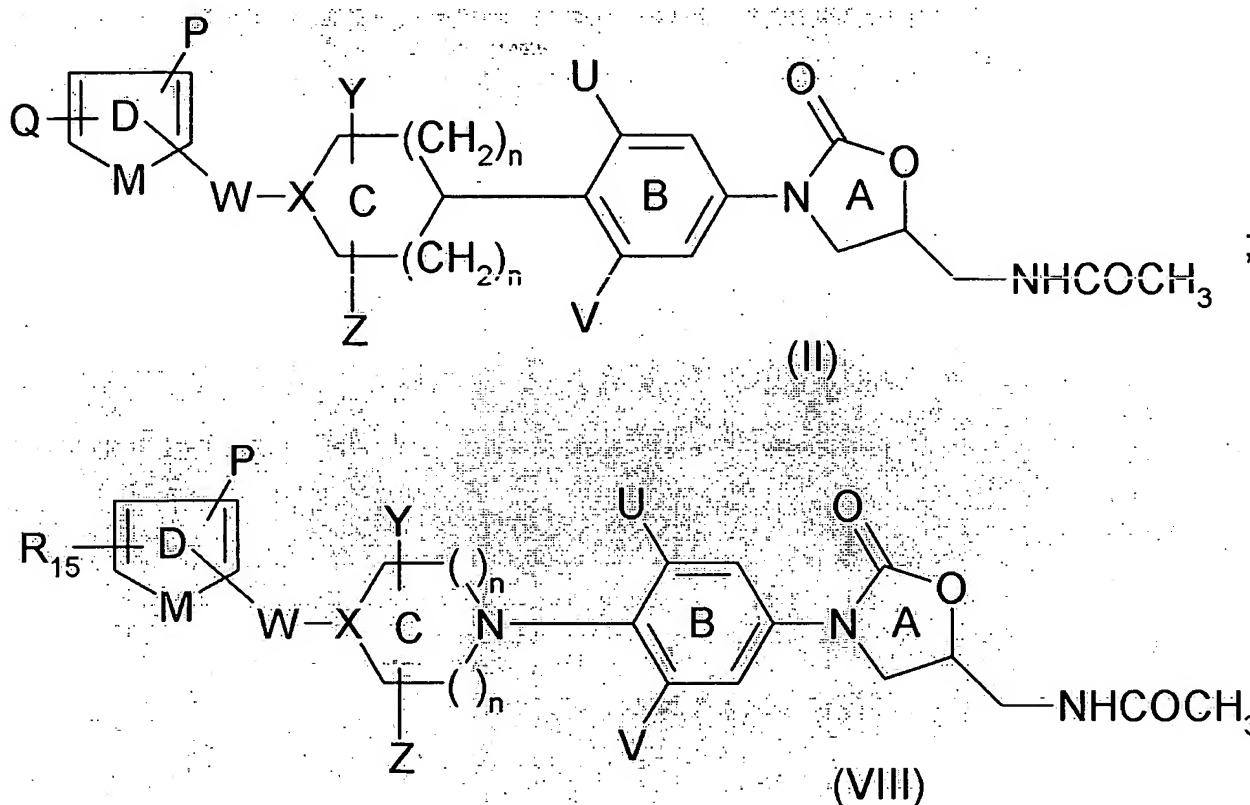


$T =$ 5-7 membered heterocyclic ring, aryl (optionally substituted), bound to the ring C with a linker w and the heterocyclic and aryl rings are further substituted by R;
 $R =$ CN, COR₅COOR₅, N(R₆,R₇), CON(R₆,R₇), CH₂NO₂, NO₂, CH₂R₈, CHR₉, CH=N-OR₁₀ or C=CH-R₅;
 $R_5 =$ H, optionally substituted 1-12C alkyl, 3-12C cycloalkyl, aryl or heteroaryl;
 $R_6,$ $R_7 =$ H, optionally substituted 1-12C alkyl, 3-12C cycloalkyl or 1-6C alkoxy;
 $R_8,$ $R_9 =$ H, 1-6C alkyl, F, Cl, Br, 1-12C alkyl substituted with one or more F, Cl, Br, I, OR₄, SR₄ or N(R₆R₇);
 $R_4 =$ H, 1-12C alkyl, 3-12C cycloalkyl, 1-6C alkoxy, 1-6C alkyl substituted with one or more F, Cl, I or OH or N(R₆R₇);
 $R_{10} =$ H, optionally substituted from H, optionally substituted 1-12C alkyl, 3-12C cycloalkyl, 1-6C alkoxy, 1-6C alkyl, aryl or heteroaryl;
 $n =$ 0-3;
 $X =$ CH, CH-S or N;
 $Y, Z =$ H, 1-6C alkyl, 3-12C cycloalkyl or 0-3C bridging group;
 $U, V =$ 1-6C alkyl, F, Cl, Br, 1-12C alkyl substituted with one or more F, Cl, Br, I (preferably H or F);
 $W =$ CH₂, CO, CH₂NH, NHCH₂, CH₂NHCH₂, CH₂-N(R₁₁)CH₂, CH(R₁₁), S, CH₂(CO), NH;
 $R_{11} =$ 1-12C alkyl, 3-12C cycloalkyl, 1-6C alkoxy, 1-6C alkyl, aryl or heteroaryl;
 $R_1 =$ NHC(=O)R₂;
 $R_2 =$ H, 1-12C alkyl, 3-12C cycloalkyl, 1-6C alkoxy, 1-6C alkyl substituted with one or more F, Cl, Br, I or OH, N(R₃,R₄), NR₂C(=S)R₃ or NR₂C(=S)SR₃; and
 $R_3,$ $R_4 =$ H, 1-12C alkyl, 3-12C cycloalkyl, 1-6C alkoxy, 1-6C alkyl substituted with one or more F, Cl, Br, I or OH.

INDEPENDENT CLAIMS are also included for:

1. compounds of formula (II);
2. preparation of (I) by reacting an amine with a heterocyclic compound;
3. preparation of (II);

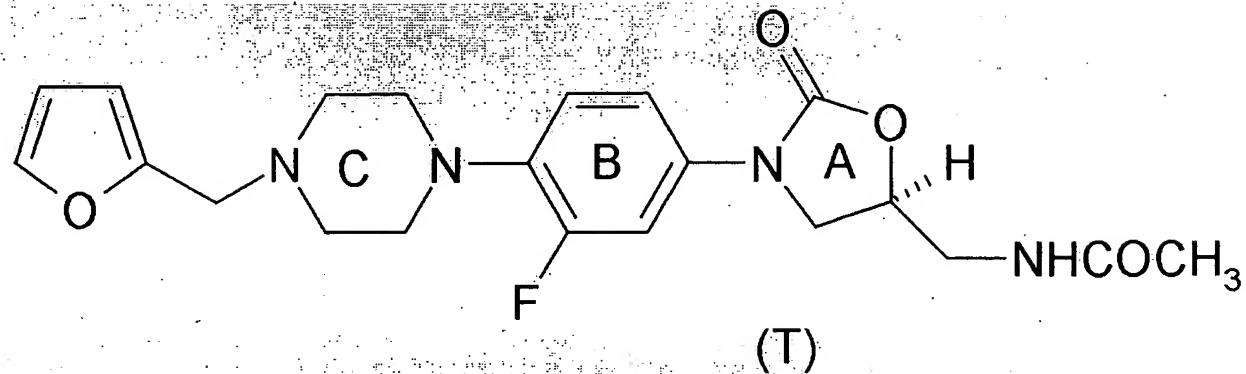
4. preparation of compounds of formula (VIII), by converting a compound of formula (VII) (II; Q = R₁₄): R₁₄ = is any group which can be converted to R₁₅ in 1-5 steps, R₁₅ = Q;
5. preparation of compounds of formula (XI) (R₁₆-T), by reacting (IX) [(HC=O)-T] with sodium borohydride to give (X) (HOCH₂-T) and further reacting this with diethylamino sulfur trifluoride to give (XI);
6. preparation of compounds of formula (XII) (R₁₇-T) by reacting (S)-N-[3-fluoro-4-[N-1[4-(2-furyl(5-formyl)methyl)]piperazinyl]phenyl]-2-oxo-5-oxazolidinyl-methyl]acetamide with hydroxylamine (IX);
7. preparation of compounds of formula (XIII); or
8. preparation of compounds of formula (XIV) (R₁₈-T), by reacting (IX) with Ag₂O to produce (S)-N-((3-fluoro-4-(N-1(4-(2-furyl(5-carboxy)methyl))piperazinyl)phenyl)-2-oxo-5-oxazolidinyl-methyl)acetamide (XIII) with hydroxylamine; and
9. a composition comprising (I) or (II).



$Q = CN, COR_5, COOR_5, N(R_6R_7), CON(R_6R_7), CON(R_6, R_7), CH_2NO_2, NO_2, CH_2R_8, CHR_9,$
 $P = CH=N, OR_{10}, C=CH-R_5;$

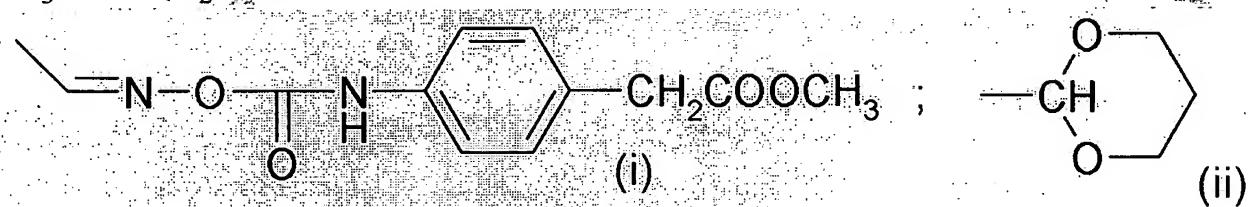
$R_{10} = H$, optionally substituted from H, optionally substituted 1-12C alkyl, 3-512C cycloalkyl, 1-6C alkoxy, 1-6C alkyl, aryl or heteroaryl, except W=(CO), Q and P=H, ring C in formula (II) is 6-8 membered or of larger size and the larger rings have either 2-3C between each N atom;

T=



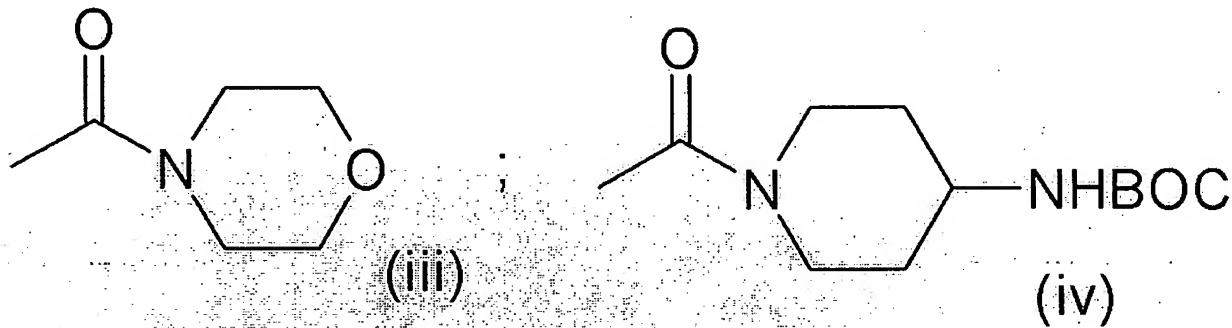
$R_{16} = -CH_2F$ or $-CH_2F_2$;

$R_{17} = CH_3CH=N-NH_2$ or (i) or (ii)



; and

$R_{18} = -(C=O)NH_2$ or (iii) or (iv)



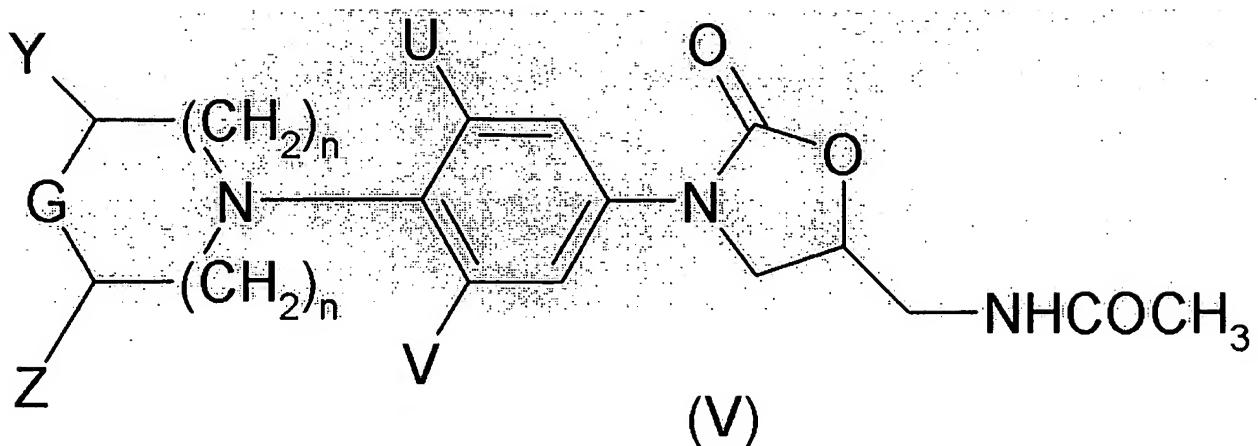
ACTIVITY - Antibacterial.

MECHANISM OF ACTION - None given.

USE - Useful as antimicrobial agents effect against a number of human and veterinary pathogens, including gram positive aerobic bacteria such as multiply-resistant *staphylococci*, *streptococci* or *enterococci*, as well as anaerobic organisms such as *Bacteriodes spp.* and *Clostridia spp.* and acid fast organisms such as *Mycobacterium tuberculosis*, *Mycobacterium avium* or *Mycobacterium spp.*

Technology Focus

ORGANIC CHEMISTRY - Preferred Method: (I) is prepared by reacting an amine of formula (V) with a heterocyclic compound of formula $R-T-W-R_{12}$:

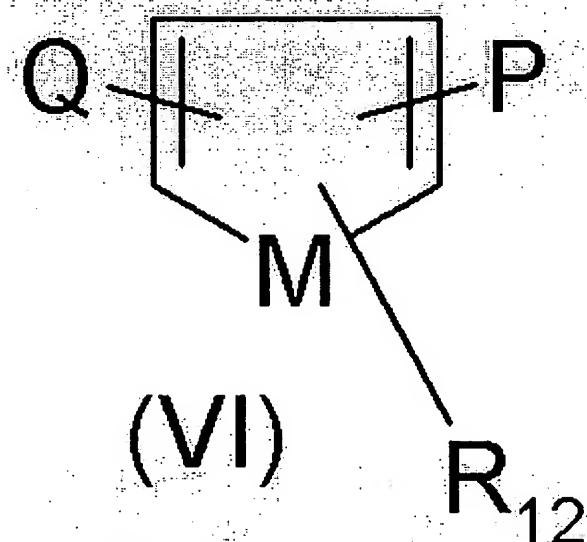


G= NH, CH(NHR₁₃), CH-CH₂NHR₁₃;

R₁₃=H, ethyl, methyl, isopropyl, acetyl, cyclopropyl, alkoxy or acetyl; and

R₁₂= leaving group comprising F, Cl, Br, SCH₃, SO₂CH₃, SO₂CF₃ or OC₆H₅;

(II) is prepared in a suitable solvent selected from dimethylformamide, dimethylacetamide, ethanol or ethylene glycol at -70 to 180(deg)C in the presence of a suitable base selected from triethyl amine, diisopropyl amine, potassium carbonate or sodium bicarbonate, by reacting a compound of formula (V) with a furaldehyde or furoic acid (VI) and reductive alkylation of the amine of (V) is performed with a



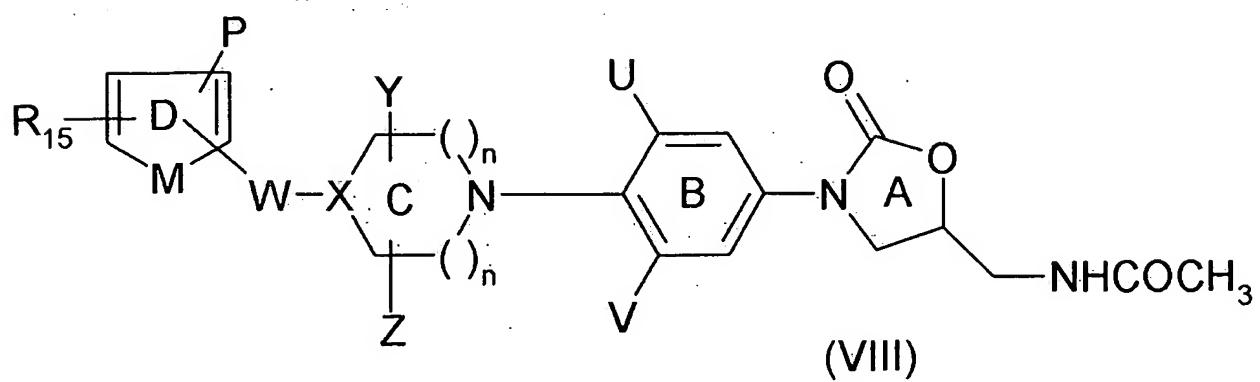
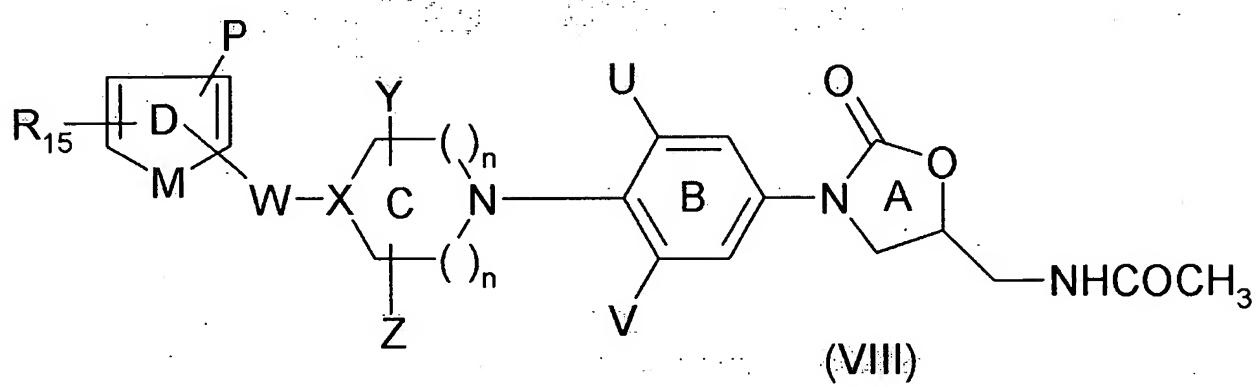
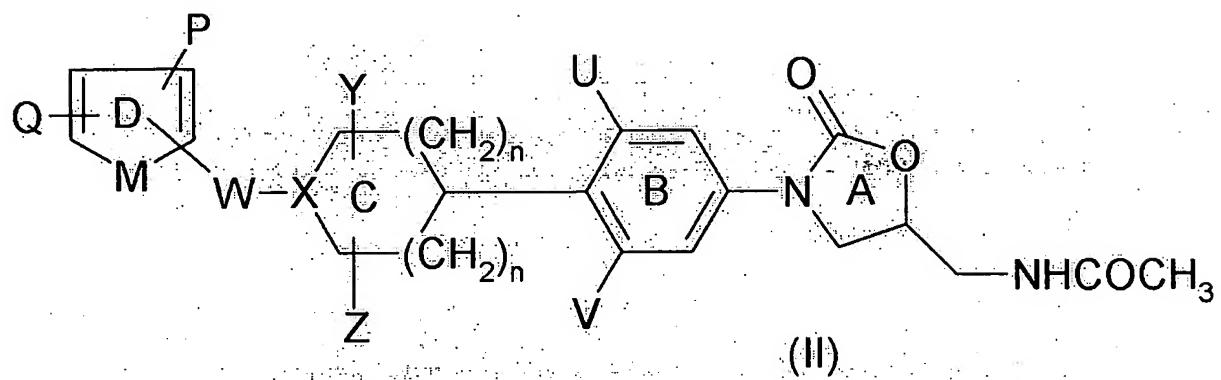
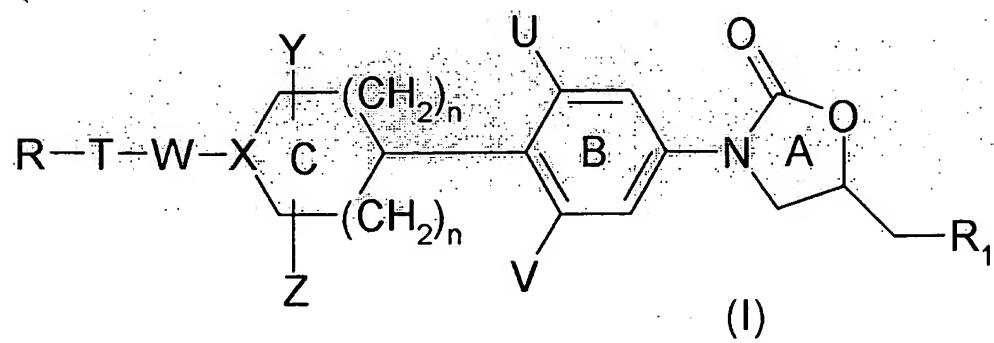
reducing agent: &

(VIII) is prepared by converting a compound of formula (VII) (II; Q = R₁₄):

R₁₄= is any group which can be converted to R₁₅ in 1-5 steps; and

R₁₅= Q.

Main Drawing Sheet(s) or Clipped Structure(s)



Title Terms /Index Terms/Additional Words: SUBSTITUTE; PHENYL; OXAZOLIDINONE; DERIVATIVE; USEFUL; ANTIMICROBIAL; AGENT; EFFECT; NUMBER; HUMAN; VETERINARY ; PATHOGEN

Class Codes

International Patent Classification

| IPC | Class Level | Scope | Position | Status | Version Date |
|--|-------------|-------|-----------|--------|--------------|
| C07D-263/20; C07D-413/14 | | | Main | | "Version 7" |
| A61K-031/42; A61K-031/422; A61K-031/4468; A61K-031/496; A61K-031/5377; A61K-031/541; A61P-031/04; A61P-043/00; C07D-413/12 | | | Secondary | | "Version 7" |
| A61K-0031/422 | A | I | L | R | 20060101 |
| A61K-0031/4468 | A | I | L | R | 20060101 |
| A61K-0031/496 | A | I | L | R | 20060101 |
| A61K-0031/5377 | A | I | L | R | 20060101 |
| A61K-0031/541 | A | I | L | R | 20060101 |
| A61P-0031/04 | A | I | L | R | 20060101 |
| A61P-0043/00 | A | I | L | R | 20060101 |
| C07D-0263/20 | A | I | F | R | 20060101 |
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| A61K-0031/541 | C | I | L | R | 20060101 |
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Classification, Issued: 514218, 514253.1, 514254.02, 540575, 544360, 544370, 546209, 514340, 544369

File Segment: CPI

DWPI Class: B03; C02; D22

Manual Codes (CPI/A-N): B06-H; B07-H; B14-A01; C06-H; C07-H; C14-A01; D09-A01C

Chemical Indexing

Derwent Registry Numbers: 0457-P; 0457-U; 0876-P; 0876-U; 0919-P; 0919-U; 1013-P; 1013-U; 1208-P; 1208-U; 1300-P; 1300-U; 1713-P; 1713-U; 1829-P; 1829-U; 1997-P; 1997-U

Chemical Fragment Codes (M2) :

01 M905 M904 C116 F010 F011 F012 F013 F014 F015 F016 F019 F020 F029 F211
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RA6JOP-P RA6JOP-T 516277-N 516277-P 516277-T
48 M905 M904 F011 F012 F013 F014 F015 F019 F111 F553 F610 F740 G015 G100
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M710 M720 N225 N242 N261 N311 N315 N333 P220 Q261 00245 RA6JOQ-N
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M210 M211 M262 M281 M311 M323 M342 M373 M393 M413 M510 M523 M531 M540
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M540 M710 M720 N225 N242 N261 N311 N315 N333 P220 Q261 RA6JOS-N
RA6JOS-P RA6JOS-T 516280-N 516280-P 516280-T
51 M905 M904 F011 F012 F013 F014 F015 F019 F211 F553 F610 G015 G100 H1
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RA6JSC-P RA6JSC-T 516421-N 516421-P 516421-T
52 M905 M904 F011 F012 F013 F014 F015 F019 F111 F553 F610 G015 G100 H1
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M373 M391 M392 M413 M510 M523 M531 M540 M710 M720 N225 N242 N261 N311
N315 N333 P220 Q261 RA6JSD-N RA6JSD-P RA6JSD-T 516422-N 516422-P 516422-T
53 M905 M904 F011 F012 F013 F014 F015 F019 F111 F553 F610 G015 G100 H1
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RA6JTS-N RA6JTS-P RA6JTS-T 516473-N 516473-P 516473-T
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M344 M349 M371 M373 M391 M413 M510 M522 M533 M540 M710 M720 N225 N242
N261 N311 N315 N333 P220 Q261 RA6JSO-N RA6JSO-P RA6JSO-T 516433-N
516433-P 516433-T

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M412 M511 M522 M531 M540 M710 M720 N225 N242 N261 N311 N315 N333 P220
Q261 00690 RA6JSS-N RA6JSS-P RA6JSS-T 516437-N 516437-P 516437-T

56 M905 M904 D012 D021 D690 F012 F013 F015 F019 F111 F610 G015 G100 H1
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M522 M531 M540 M710 M720 N225 N242 N261 N311 N315 N333 P220 Q261 00690
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57 M905 M904 D012 D021 D690 F012 F013 F015 F019 F111 F610 G015 G100 H1
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M412 M511 M522 M531 M540 M710 M720 N225 N242 N261 N311 N315 N333 P220
Q261 00690 RA6JSV-N RA6JSV-P RA6JSV-T 516440-N 516440-P 516440-T

58 M905 M904 D012 D021 D690 F012 F013 F015 F019 F211 F610 G015 G100 H1
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J521 L9 L922 M210 M211 M262 M273 M281 M311 M322 M342 M373 M392 M412
M511 M522 M531 M540 M710 M720 N225 N242 N261 N311 N315 N333 P220 Q261
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59 M905 M904 D012 D021 D690 F012 F013 F015 F019 F111 F610 G015 G100 H1
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J521 L9 L922 M210 M211 M262 M273 M281 M311 M322 M342 M373 M392 M412
M511 M522 M531 M540 M710 M720 N225 N242 N261 N311 N315 N333 P220 Q261
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60 M905 M904 D012 D021 D690 F012 F013 F015 F019 F111 F610 G015 G100 H1
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J521 L9 L922 M210 M211 M262 M273 M281 M311 M323 M342 M373 M393 M412
M511 M522 M531 M540 M710 M720 N225 N242 N261 N311 N315 N333 P220 Q261
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61 M905 M904 D012 D021 D690 F012 F013 F015 F019 F111 F610 G015 G100 H1
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J521 L9 L922 M210 M211 M262 M273 M281 M311 M312 M321 M323 M332 M342
M372 M373 M391 M393 M412 M511 M522 M531 M540 M710 M720 N225 N242 N261
N311 N315 N333 P220 Q261 00690 RA6JT1-N RA6JT1-P RA6JT1-T 516446-N
516446-P 516446-T

62 M905 M904 D012 D021 D690 F012 F013 F015 F019 F211 F610 G015 G100 H1
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M211 M262 M273 M281 M311 M323 M342 M372 M373 M391 M392 M412 M511 M522
M531 M540 M710 M720 N225 N242 N261 N311 N315 N333 P220 Q261 00690
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63 M905 M904 D012 D021 D690 F012 F013 F015 F019 F211 F610 G015 G100 H1
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64 M905 M904 D012 D021 D690 F012 F013 F015 F019 F111 F610 G015 G100 H1
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M511 M522 M531 M540 M710 M720 N225 N242 N261 N311 N315 N333 P220 Q261
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65 M905 M904 F011 F012 F013 F014 F015 F019 F111 F433 F610 G015 G100 H1
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J521 L9 L922 M210 M211 M262 M273 M281 M311 M322 M342 M373 M392 M413
M510 M523 M531 M540 M710 M720 N225 N242 N261 N311 N315 N333 P220 Q261
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77 M905 M904 F011 F012 F013 F014 F015 F019 F211 F433 F610 G015 G100 H1 H103 H121 H141 H2 H201 H211 H6 H601 H641 J0 J011 J3 J371 J5 J521 L9 L922 M210 M211 M240 M262 M273 M281 M311 M322 M342 M373 M392 M413 M510 M523 M531 M540 M710 M720 N225 N242 N261 N311 N315 N333 P220 Q261

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78 M905 M904 F011 F012 F013 F014 F015 F019 F211 F433 F610 G015 G100 H1
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C806 C807 M411 M710 M720 N225 N242 N261 N311 N315 N333 P220 Q261
R01997-N R01997-P R01997-T 107320-N 107320-P 107320-T 107320-U
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218-T 218-U 3860-P 3860-U
82 M905 M904 C101 C107 C108 C520 C550 C730 C800 C801 C802 C804 C807 M411
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130554-P 130554-U 131865-P 131865-U 132879-P 132879-U 244-P 244-U
97129-P 97129-U
83 M905 M904 K0 L2 L230 M280 M320 M416 M620 M710 M720 N225 N242 N261 N311
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84 M905 M904 H6 H607 H685 H689 K0 K4 K410 K432 K499 M280 M311 M322 M344
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RA6JTL-P RA6JTL-T 516466-N 516466-P 516466-T
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 RA6JTM-P RA6JTM-T 516467-N 516467-P 516467-T
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 RA6JTN-P RA6JTN-T 516468-N 516468-P 516468-T
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 RA6JTP-P RA6JTP-T 516470-N 516470-P 516470-T
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Ring Index Numbers: (Linked) 00035; 00346; 00347; 00402; 00403; 00414; 00443; 00463; 00469;
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 00690; 00245; 00690; 00690; 00690; 00690; 00690; 00690; 00690; 00690; 00690; 00690; 00347;
 00347; 00347; 00347

Specific Compound Numbers: RA6JTT-K; RA6JTT-S; RA6JTU-K; RA6JTU-S; RA6JTV-K; RA6JTV-S;
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RA6JTS-T; RA6JSO-N; RA6JSO-P; RA6JSO-T; RA6JSS-N; RA6JSS-P; RA6JSS-T; RA6JST-N; RA6JST-P; RA6JST-T; RA6JSV-N; RA6JSV-P; RA6JSV-T; RA6JSW-N; RA6JSW-P; RA6JSW-T; RA6JSY-N; RA6JSY-P; RA6JSY-T; RA6JT0-N; RA6JT0-P; RA6JT0-T; RA6JT1-N; RA6JT1-P; RA6JT1-T; RA6JT2-N; RA6JT2-P; RA6JT2-T; RA6JT4-N; RA6JT4-P; RA6JT4-T; RA6JT5-N; RA6JT5-P; RA6JT5-T; RA6JT6-N; RA6JT6-P; RA6JT6-T; RA6JT7-N; RA6JT7-P; RA6JT7-T; RA6JT8-N; RA6JT8-P; RA6JT8-T; RA6JT9-N; RA6JT9-P; RA6JT9-T; RA6JTA-N; RA6JTA-P; RA6JTA-T; RA6JTB-N; RA6JTB-P; RA6JTB-T; RA6JTC-N; RA6JTC-P; RA6JTC-T; RA6JTD-N; RA6JTD-P; RA6JTD-T; RA6JTE-N; RA6JTE-P; RA6JTE-T; RA6JTF-N; RA6JTF-P; RA6JTF-T; RA6JTG-N; RA6JTG-P; RA6JTG-T; RA6JTH-N; RA6JTH-P; RA6JTH-T; RA6JTI-N; RA6JTI-P; RA6JTI-T; RA6JTI-N; RA6JTI-P; RA6JTI-T; R01997-N; R01997-P; R01997-T; RA32D0-N; RA32D0-P; RA32D0-T; R01829-N; R01829-P; R01829-T; R07207-N; R07207-P; R07207-T; R04336-N; R04336-P; R04336-T; R21018-N; R21018-P; R21018-T; RA2CSO-N; RA2CSO-P; RA2CSO-T; R01013-N; R01013-P; R01013-T; R01300-N; R01300-P; R01300-T; R00876-N; R00876-P; R00876-T; RA0O3O-N; RA0O3O-P; RA0O3O-T; R01713-N; R01713-P; R01713-T; R00919-N; R00919-P; R00919-T; R00457-N; R00457-P; R00457-T; RA6JTK-N; RA6JTK-P; RA6JTK-T; RA6JTL-N; RA6JTL-P; RA6JTL-T; RA6JTM-N; RA6JTM-P; RA6JTM-T; RA6JTN-N; RA6JTN-P; RA6JTN-T; RA6JTO-N; RA6JTO-P; RA6JTO-T; RA6JTP-N; RA6JTP-P; RA6JTP-T; RA6JTQ-N; RA6JTQ-P; RA6JTQ-T; RA6JTR-N; RA6JTR-P; RA6JTR-T
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Derwent Chemistry Resource Numbers: (Linked) 516474-K; 516474-S; 516475-K; 516475-S; 516476-K; 516476-S; 516477-K; 516477-S; 516478-K; 516478-S; 516479-K; 516479-S; 516480-K; 516480-S; 516482-K; 516482-S; 516485-K; 516485-S; 516486-K; 516486-S; 516487-K; 516487-S; 516427-K; 516427-S; 516254-N; 516254-P; 516254-T; 516255-N; 516255-P; 516255-T; 516256-N; 516256-P; 516256-T; 516257-N; 516257-P; 516257-T; 516258-N; 516258-P; 516258-T; 516259-N; 516259-P; 516259-T; 516260-N; 516260-P; 516260-T; 516261-N; 516261-P; 516261-T; 516262-N; 516262-P; 516262-T; 516263-N; 516263-P; 516263-T; 516264-N; 516264-P; 516264-T; 516265-N; 516265-P; 516265-T; 516266-N; 516266-P; 516266-T; 516267-N; 516267-P; 516267-T; 516268-N; 516268-P; 516268-T; 516270-N; 516270-P; 516270-T; 516271-N; 516271-P; 516271-T; 516272-N; 516272-P; 516272-T; 516273-N; 516273-P; 516273-T; 516274-N; 516274-P; 516274-T; 516275-N; 516275-P; 516275-T; 516276-N; 516276-P; 516276-T; 516277-N; 516277-P; 516277-T; 516278-N; 516278-P; 516278-T; 516279-N; 516279-P; 516279-T; 516280-N; 516280-P; 516280-T; 516421-N; 516421-P; 516421-T; 516422-N; 516422-P; 516422-T; 516473-N; 516473-P; 516473-T; 516433-N; 516433-P; 516433-T; 516437-N; 516437-P; 516437-T; 516438-N; 516438-P; 516438-T; 516440-N; 516440-P; 516440-T; 516441-N; 516441-P; 516441-T; 516443-N; 516443-P; 516443-T; 516445-N; 516445-P; 516445-T; 516446-N; 516446-P; 516446-T; 516447-N; 516447-P; 516447-T; 516449-N; 516449-P; 516449-T; 516450-N; 516450-P; 516450-T; 516451-N; 516451-P; 516451-T; 516452-N; 516452-P; 516452-T; 516453-N; 516453-P; 516453-T; 516454-N; 516454-P; 516454-T; 516455-N; 516455-P; 516455-T; 516456-N; 516456-P; 516456-T; 516457-N; 516457-P; 516457-T; 516458-N; 516458-P; 516458-T; 516459-N; 516459-P; 516459-T; 516460-N; 516460-P; 516460-T; 516461-N; 516461-P; 516461-T; 516462-N; 516462-P; 516462-T; 516463-N; 516463-P; 516463-T; 516464-N; 516464-P;

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(Unlinked) 107320-P; 107320-U; 12-P; 12-U; 129427-P; 129427-U; 129987-P; 129987-U; 130081-P; 130081-U; 130554-P; 130554-U; 131865-P; 131865-U; 132879-P; 132879-U; 188420-P; 188420-U; 218-P; 218-U; 244-P; 244-U; 328-P; 328-U; 374-P; 374-U; 3860-P; 3860-U; 76-P; 76-U; 813-P; 813-U; 85213-P; 85213-U; 97129-P; 97129-U

Key Word Indexing

1 107320-CL 1647-CL 218-CL 130081-CL 1341-CL 207-CL 76-CL 813-CL 85213-CL
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(R,I,M,JP,20060101,20051220,C,L) A61K-31/4468(R,I,M,JP,20060101,20051220,A,L) A61K-31/4468

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(R,I,M,JP,20060101,20051220,A,F) C07D-413/00(R,I,M,EP,20060101,20051008,C) C07D-413/10
(R,I,M,EP,20060101,20051008,A) C07D-413/12(R,I,M,EP,20060101,20051008,A) C07D-413/14
(R,I,M,EP,20060101,20051008,A)

Czech Republic

Publication No. CZ 200300228 A3 (Update 200347 E)

Publication Date: 20030618

Assignee: RANBAXY LAB LTD (RANB-N)

Inventor: MEHTA A

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DAS B

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RATTAN A

Language: CS

Application: WO 2001IB1262 A 20010716 (PCT Application)

CZ 2003228 A 20010716 (Local application)

Priority: IN 2000DE654 A 20000717

Related Publication: WO 2002006278 A (Based on OPI patent)

Original IPC: C07D-413/14(A) A61K-31/381(B) A61K-31/422(B) A61K-31/496(B) A61K-31/551(B)
A61P-31/04(B) C07D-413/12(B)

Current IPC: A61K-31/422(R,A,I,M,JP,20060101,20051220,A,L) A61K-31/422

(R,I,M,JP,20060101,20051220,C,L) A61K-31/4468(R,I,M,JP,20060101,20051220,A,L) A61K-31/4468

(R,I,M,JP,20060101,20051220,C,L) A61K-31/496(R,I,M,JP,20060101,20051220,A,L) A61K-31/496

(R,I,M,JP,20060101,20051220,C,L) A61K-31/5375(R,I,M,JP,20060101,20051220,C,L) A61K-31/5377

(R,I,M,JP,20060101,20051220,A,L) A61K-31/541(R,I,M,JP,20060101,20051220,A,L) A61K-31/541

(R,I,M,JP,20060101,20051220,C,L)-A61P-31/00(R,I,M,JP,20060101,20051220,C,L)-A61P-31/04

(R,I,M,JP,20060101,20051220,A,L) A61P-43/00(R,I,M,JP,20060101,20051220,A,L) A61P-43/00

(R,I,M,JP,20060101,20051220,C,L) C07D-263/00(R,I,M,JP,20060101,20051220,C,F) C07D-263/20

(R,I,M,JP,20060101,20051220,A,F) C07D-413/00(R,I,M,EP,20060101,20051008,C) C07D-413/10

(R,I,M,EP,20060101,20051008,A) C07D-413/12(R,I,M,EP,20060101,20051008,A) C07D-413/14

(R,I,M,EP,20060101,20051008,A)

EPO

Publication No. EP 1303511 A1 (Update 200329 E)

Publication Date: 20030423

OXAZOLIDON DERIVATEN ALS ANTIMIKROBIELLER

OXAZOLIDINONE DERIVATIVES AS ANTIMICROBIALS

DERIVES D'OXAZOLIDINONE UTILISES EN TANT QU'ANTIMICROBIENS

Assignee: RANBAXY LABORATORIES, LTD., 19, Nehru Place, New Delhi 110 019, IN (RANB-N)

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Language: EN

Application: EP 2001947730 A 20010716 (Local application)

WO 2001IB1262 A 20010716 (PCT Application)

Priority: IN 2000DE654 A 20000717

Related Publication: WO 2002006278 A (Based on OPI patent)

Designated States: (Regional Original) AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU

LV MC MK NL PT RO SE SI TR

Original IPC: C07D-413/14(A) A61K-31/42(B) C07D-413/12(B)

Current IPC: A61K-31/422(R,I,M,JP,20060101,20051220,A,L) A61K-31/422

(R,I,M,JP,20060101,20051220,C,L) A61K-31/4468(R,I,M,JP,20060101,20051220,A,L) A61K-31/4468

(R,I,M,JP,20060101,20051220,C,L) A61K-31/496(R,I,M,JP,20060101,20051220,A,L) A61K-31/496

(R,I,M,JP,20060101,20051220,C,L) A61K-31/5375(R,I,M,JP,20060101,20051220,C,L) A61K-31/5377

(R,I,M,JP,20060101,20051220,A,L) A61K-31/541(R,I,M,JP,20060101,20051220,A,L) A61K-31/541

(R,I,M,JP,20060101,20051220,C,L) A61P-31/00(R,I,M,JP,20060101,20051220,C,L) A61P-31/04

(R,I,M,JP,20060101,20051220,A,L) A61P-43/00(R,I,M,JP,20060101,20051220,A,L) A61P-43/00

(R,I,M,JP,20060101,20051220,C,L) C07D-263/00(R,I,M,JP,20060101,20051220,C,F) C07D-263/20

(R,I,M,JP,20060101,20051220,A,F) C07D-413/00(R,I,M,EP,20060101,20051008,C) C07D-413/10

(R,I,M,EP,20060101,20051008,A) C07D-413/12(R,I,M,EP,20060101,20051008,A) C07D-413/14

(R,I,M,EP,20060101,20051008,A)

Original Abstract:

The present invention relates to certain substituted phenyl oxazolidinones and to processes for the synthesis of the same. This invention also relates to pharmaceutical compositions containing the compounds of the present invention as anti-microbials. The compounds are useful antimicrobial agents, effective against a number of human and veterinary pathogens, including gram-positive aerobic bacteria such as multiply-resistant staphylococci, streptococci and enterococci as well as anaerobic organisms such as *Bacteroides* spp. and *Clostridia* spp. species, and acid fast organisms such as *Mycobacterium tuberculosis*, *Mycobacterium avium* and *Mycobacterium* spp.

Hungary

Publication No. HU 200302918 A2 (Update 200413 E)

Publication Date: 20031229

Assignee: RANBAXY LAB LTD (RANB-N)

Inventor: ARORA S K

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Language: HU

Application: WO 2001IB1262 A 20010716 (PCT Application)

HU 20032918 A 20010716 (Local application)

Priority: IN 2000DE654 A 20000717

Related Publication: WO 2002006278 A (Based on OPI patent)

Original IPC: C07D-413/14(A) A61K-31/42(B) A61P-31/04(B) C07D-413/12(B)

Current IPC: A61K-31/422(R,A,I,M,JP,20060101,20051220,A,L) A61K-31/422

(R,I,M,JP,20060101,20051220,C,L) A61K-31/4468(R,I,M,JP,20060101,20051220,A,L) A61K-31/4468

(R,I,M,JP,20060101,20051220,C,L) A61K-31/496(R,I,M,JP,20060101,20051220,A,L) A61K-31/496

(R,I,M,JP,20060101,20051220,C,L) A61K-31/5375(R,I,M,JP,20060101,20051220,C,L) A61K-31/5377

(R,I,M,JP,20060101,20051220,A,L) A61K-31/541(R,I,M,JP,20060101,20051220,A,L) A61K-31/541
(R,I,M,JP,20060101,20051220,C,L) A61P-31/00(R,I,M,JP,20060101,20051220,C,L) A61P-31/04
(R,I,M,JP,20060101,20051220,A,L) A61P-43/00(R,I,M,JP,20060101,20051220,A,L) A61P-43/00
(R,I,M,JP,20060101,20051220,C,L) C07D-263/00(R,I,M,JP,20060101,20051220,C,F) C07D-263/20
(R,I,M,JP,20060101,20051220,A,F) C07D-413/00(R,I,M,EP,20060101,20051008,C) C07D-413/10
(R,I,M,EP,20060101,20051008,A) C07D-413/12(R,I,M,EP,20060101,20051008,A) C07D-413/14
(R,I,M,EP,20060101,20051008,A)

Japan

Publication No. JP 2004504321 W (Update 200413 E)

Publication Date: 20040212

Language: JA (208 pages)

Application: WO 2001IB1262 A 20010716 (PCT Application)

JP 2002512181 A 20010716 (Local application)

Priority: IN 2000DE654 A 20000717

Related Publication: WO 2002006278 A (Based on OPI patent)

Original IPC: C07D-263/20(A) A61K-31/422(B) A61K-31/4468(B) A61K-31/496(B) A61K-31/5377

(B) A61K-31/541(B) A61P-31/04(B) A61P-43/00(B) C07D-413/12(B) C07D-413/14(B)

Current IPC: C07D-263/20(A) A61K-31/422(B) A61K-31/4468(B) A61K-31/496(B) A61K-31/5377(B)

A61K-31/541(B) A61P-31/04(B) A61P-43/00(B) C07D-413/12(B) C07D-413/14(B)

Mexico

Publication No. MX 2003000503 A1 (Update 200470 E)

Publication Date: 20031201

Assignee: RANBAXY LAB LTD (RANB-N)

Inventor: MEHTA A

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DAS B

RAY A

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RATTAN A

Language: ES

Application: WO 2001IB1262 A 20010716 (PCT Application)

MX 2003503 A 20030116 (Local application)

Priority: IN 2000DE654 A 20000717

Related Publication: WO 2002006278 A (Based on OPI patent)

Original IPC: A61K-31/42(A) C07D-413/12(B) C07D-413/14(B)

Current IPC: A61K-31/422(R,A,I,M,JP,20060101,20051220,A,L) A61K-31/422

(R,I,M,JP,20060101,20051220,C,L) A61K-31/4468(R,I,M,JP,20060101,20051220,A,L) A61K-31/4468

(R,I,M,JP,20060101,20051220,C,L) A61K-31/496(R,I,M,JP,20060101,20051220,A,L) A61K-31/496

(R,I,M,JP,20060101,20051220,C,L) A61K-31/5375(R,I,M,JP,20060101,20051220,C,L) A61K-31/5377

(R,I,M,JP,20060101,20051220,A,L) A61K-31/541(R,I,M,JP,20060101,20051220,A,L) A61K-31/541

(R,I,M,JP,20060101,20051220,C,L) A61P-31/00(R,I,M,JP,20060101,20051220,C,L) A61P-31/04

(R,I,M,JP,20060101,20051220,A,L) A61P-43/00(R,I,M,JP,20060101,20051220,A,L) A61P-43/00

(R,I,M,JP,20060101,20051220,C,L) C07D-263/00(R,I,M,JP,20060101,20051220,C,F) C07D-263/20

(R,I,M,JP,20060101,20051220,A,F) C07D-413/00(R,I,M,EP,20060101,20051008,C) C07D-413/10

(R,I,M,EP,20060101,20051008,A) C07D-413/12(R,I,M,EP,20060101,20051008,A) C07D-413/14

(R,I,M,EP,20060101,20051008,A)

New Zealand

Publication No. NZ 523700 A (Update 200479 E)

Publication Date: 20041126

Assignee: RANBAXY LAB LTD (RANB-N)

Inventor: MEHTA A

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RUDRA S

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Language: EN

Application: NZ 523700 A 20010716 (Local application)

WO 2001IB1262 A 20010716 (PCT Application)

Priority: IN 2000DE654 A 20000717

Related Publication: WO 2002006278 A (Based on OPI patent)

Original IPC: C07D-413/14(A) A61K-31/42(B) A61P-31/04(B) C07D-413/12(B)

Current IPC: C07D-413/00(R,A,I,M,EP,20060101,20051008,C) C07D-413/10

(R,I,M,EP,20060101,20051008,A) C07D-413/12(R,I,M,EP,20060101,20051008,A) C07D-413/14

(R,I,M,EP,20060101,20051008,A)

Russia

Publication No. RU 2292345 C2 (Update 200752 E)

Publication Date: 20070127

Assignee: RANBAXY LAB LTD; IN (RANB-N)

Language: RU

Application: WO 2001IB1262 A 20010716 (PCT Application)

RU 2003103767 A 20010716 (Local application)

Priority: IN 2000DE654 A 20000717

Related Publication: WO 2002006278 A (Based on OPI patent)

Original IPC: C07D-263/00(B,I,M,98,20060101,20060926,C,L) C07D-263/20

(B,I,H,RU,20060101,20060926,A,L) C07D-413/00(B,I,M,98,20060101,20060926,C,F) C07D-413/00

(B,I,M,98,20060101,20060926,C,L) C07D-413/12(B,I,H,RU,20060101,20060926,A,L) C07D-413/14

(B,I,H,RU,20060101,20060926,A,F)

Current IPC: C07D-263/00(B,I,M,98,20060101,20060926,C,L) C07D-263/20

(B,I,H,RU,20060101,20060926,A,L) C07D-413/00(B,I,M,98,20060101,20060926,C,F) C07D-413/00

(B,I,M,98,20060101,20060926,C,L) C07D-413/12(B,I,H,RU,20060101,20060926,A,L) C07D-413/14

(B,I,H,RU,20060101,20060926,A,F)

Publication No. RU 2292345 C9 (Update 200752 E)

Publication Date: 20070510

Assignee: RANBAXY LAB LTD; IN (RANB-N)

Language: RU

Application: WO 2001IB1262 A 20010716 (PCT Application)

RU 2003103767 A 20010716 (Local application)

Priority: IN 2000DE654 A 20000717

Related Publication: WO 2002006278 A (Based on OPI patent)

Original IPC: C07D-263/00(B,I,M,98,20060101,20060926,C) C07D-263/20

(B,I,H,RU,20060101,20060926,A,L) C07D-413/00(B,I,M,98,20060101,20060926,C) C07D-413/12
(B,I,H,RU,20060101,20060926,A,L) C07D-413/14(B,I,H,RU,20060101,20060926,A,F)
Current IPC: C07D-263/00(B,I,M,98,20060101,20060926,C) C07D-263/20
(B,I,H,RU,20060101,20060926,A,L) C07D-413/00(B,I,M,98,20060101,20060926,C) C07D-413/12
(B,I,H,RU,20060101,20060926,A,L) C07D-413/14(B,I,H,RU,20060101,20060926,A,F)

Slovakia

Publication No. SK 200300140 A3 (Update 200360 E)

Publication Date: 20030805

Assignee: RANBAXY LAB LTD (RANB-N)

Inventor: MEHTA A

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Language: SK

Application: WO 2001IB1262 A 20010716 (PCT Application)

SK 2003140 A 20010716 (Local application)

Priority: IN 2000DE654 A 20000717

Related Publication: WO 2002006278 A (Based on OPI patent)

Original IPC: C07D-413/14(A) A61K-31/42(B) C07D-413/12(B)

Current IPC: A61K-31/422(R,I,M,JP,20060101,20051220,A,L) A61K-31/422

(R,I,M,JP,20060101,20051220,C,L) A61K-31/4468(R,I,M,JP,20060101,20051220,A,L) A61K-31/4468

(R,I,M,JP,20060101,20051220,C,L) A61K-31/496(R,I,M,JP,20060101,20051220,A,L) A61K-31/496

(R,I,M,JP,20060101,20051220,C,L) A61K-31/5375(R,I,M,JP,20060101,20051220,C,L) A61K-31/5377

(R,I,M,JP,20060101,20051220,A,L) A61K-31/541(R,I,M,JP,20060101,20051220,A,L) A61K-31/541

(R,I,M,JP,20060101,20051220,C,L) A61P-31/00(R,I,M,JP,20060101,20051220,C,L) A61P-31/04

(R,I,M,JP,20060101,20051220,A,L) A61P-43/00(R,I,M,JP,20060101,20051220,A,L) A61P-43/00

(R,I,M,JP,20060101,20051220,C,L) C07D-263/00(R,I,M,JP,20060101,20051220,C,F) C07D-263/20

(R,I,M,JP,20060101,20051220,A,F) C07D-413/00(R,I,M,EP,20060101,20051008,C) C07D-413/10

(R,I,M,EP,20060101,20051008,A) C07D-413/12(R,I,M,EP,20060101,20051008,A) C07D-413/14

(R,I,M,EP,20060101,20051008,A)

United States

Publication No. US 20020103186 A1 (Update 200253 E)

Publication Date: 20020801

Oxazolidinone derivatives as antimicrobials disease

Assignee: Mehta, Anita, Haryana, IN (MEHT-I)

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Ray, Abhijit, New Delhi, IN (RAYA-I)

Rudra, Sonali, New Delhi, IN (RUDR-I)

Rattan, Ashok, New Delhi, IN (RATT-I)

Inventor: Mehta, Anita, Haryana, IN

Arora, Sudershan K., Haryana, IN

Das, Biswajit, New Delhi, IN

Ray, Abhijit, New Delhi, IN

Rudra, Sonali, New Delhi, IN

Rattan, Ashok, New Delhi, IN

Agent: JAYADEEP R. DESHMUKH, ESQ., RANBAXY PHARMACEUTICALS INC., Suite 2100, 600 College Road East, Princeton, NJ, US

Language: EN

Application: US 2001906215 A 20010716 (Local application)

Priority: IN 2000DE654 A 20000717

Original IPC: A61K-31/551(A) A61K-31/454(B) A61K-31/496(B) C07D-413/02(B) C07D-413/14(B)

Current IPC: A61K-31/422(R, A, I, M, JP, 20060101, 20051220, A, L) A61K-31/422

(R, I, M, JP, 20060101, 20051220, C, L) A61K-31/4468(R, I, M, JP, 20060101, 20051220, A, L) A61K-31/4468

(R, I, M, JP, 20060101, 20051220, C, L) A61K-31/496(R, I, M, JP, 20060101, 20051220, A, L) A61K-31/496

(R, I, M, JP, 20060101, 20051220, C, L) A61K-31/5375(R, I, M, JP, 20060101, 20051220, C, L) A61K-31/5377

(R, I, M, JP, 20060101, 20051220, A, L) A61K-31/541(R, I, M, JP, 20060101, 20051220, A, L) A61K-31/541

(R, I, M, JP, 20060101, 20051220, C, L) A61P-31/00(R, I, M, JP, 20060101, 20051220, C, L) A61P-31/04

(R, I, M, JP, 20060101, 20051220, A, L) A61P-43/00(R, I, M, JP, 20060101, 20051220, A, L) A61P-43/00

(R, I, M, JP, 20060101, 20051220, C, L) C07D-263/00(R, I, M, JP, 20060101, 20051220, C, F) C07D-263/20

(R, I, M, JP, 20060101, 20051220, A, F) C07D-413/00(R, I, M, EP, 20060101, 20051008, C) C07D-413/10

(R, I, M, EP, 20060101, 20051008, A) C07D-413/12(R, I, M, EP, 20060101, 20051008, A) C07D-413/14

(R, I, M, EP, 20060101, 20051008, A)

Original US Class (secondary): 514218 514253.1 514254.02 540575 544360 544370 546209 514340

Original Abstract:

The present invention relates to certain substituted phenyl oxazolidinones and to processes for the synthesis of the same. This invention also relates to pharmaceutical compositions containing the compounds of the present invention as antimicrobials. The compounds are useful antimicrobial agents, effective number of human and veterinary pathogens, including gram-positive aerobic bacteria such as multiply-resistant staphylococci, streptococci and enterococci as well as anaerobic organisms such as *Bacterioides* spp. and *Clostridia* spp. species, and acid fast organisms such as *Mycobacterium tuberculosis*, *Mycobacterium avium* and *Mycobacterium* spp.

Claim:

1. A compound having the structure of Formula I[C00029] and its pharmaceutically acceptable salts, enantiomers, diastearomers, N-oxides, prodrugs or metabolites, wherein
 - T is five to seven membered heterocyclic ring, aryl, substituted aryl, bound to the ring C with a linker w and the heterocyclic and aryl rings are further substituted by a group represented by R,
 - wherein R is selected from the group consisting of --CN, COR₅, COOR₅, N(R₆, R₇), CON(R₆, R₇), CH₂NO₂, NO₂, CH₂R₈, CHR₉, --CHLN--OR₁₀, --CLCH--R₅, wherein R₅ is selected from the group consisting of H, optionally substituted C₁-C₁₂, alkyl, C₃₋₁₂, cycloalkyl, aryl, heteroaryl; R₆ and R₇ are independently selected from the group consisting of H, optionally substituted C₁₋₁₂ alkyl, C₃₋₁₂ cycloalkyl, C₁₋₆ alkoxy; R₈ and R₉ are independently selected from the group consisting of H, C₁₋₆ alkyl, F, Cl, Br, C₁₋₁₂ alkyl substituted with one or more of F, Cl, Br, I, OR₄, SR₄, N(R₆, R₇) wherein R₄ is selected from the group consisting of H, C₁₋₁₂ alkyl, C₃₋₁₂ cycloalkyl, C₁₋₆ alkoxy, C₁₋₆ alkyl substituted with one or more F, Cl, Br, I or OH and R₆ and R₇ are the same as defined earlier, R₁₀ is selected from the group consisting of H, optionally substituted from H, optionally substituted C₁₋₁₂ alkyl, C₃₋₅₁₂ cycloalkyl, C₁₋₆, alkoxy, C₁₋₆ alkyl, aryl,

heteroaryl;

- o n is an integer in the range from 0 to 3;
- o X is CH, CH--S, CH--O and N
- o Y and Z are independently selected from the group consisting of hydrogen, C₁₋₆ alkyl, C₃₋₁₂ cycloalkyl, C₀₋₃ bridging group;
- o U and V are independently selected from the group consisting of optionally substituted C₁₋₆ alkyl, F, Cl, Br, C₁₋₁₂ alkyl substituted with one or more of F, Cl, Br, I, preferably U and V are hydrogen or fluoro;
- o W is selected from the group consisting of CH₂, CO, CH₂NH, --NHCH₂, --CH₂NHCH₂, --CH₂--N(R₁₁)CH₂--, CH₂(R₁₁)N--, CH(R₁₁), S, CH₂(CO), NH wherein R₁₁ is optionally substituted with C₁₋₁₂ alkyl, C₃₋₁₂ cycloalkyl, C₁₋₆ alkoxy, C₁₋₆ alkyl, aryl, heteroaryl,
- o R₁ is selected from the group consisting of --NHC(LO)R₂ wherein R₂ is hydrogen, C₁₋₁₂ alkyl, C₃₋₁₂ cycloalkyl, C₁₋₆ alkoxy, C₁₋₆ alkyl substituted with one or more of F, Cl, Br, I or OH; N(R₃, R₄); --NR₂C(LS)R₃; --NR₂C(LS)SR₃ wherein R₂ is the same as defined above and R₃ and R₄ are independently selected from the group consisting of H, C₁₋₁₂ alkyl, C₃₋₁₂ cycloalkyl, C₁₋₆ alkoxy, C₁₋₆ alkyl substituted with one or more of F, Cl, Br, I or OH.

Publication No. US 6734307 B2 (Update 200431 E)

Publication Date: 20040511

Oxazolidinone derivatives as antimicrobials

Assignee: Ranbaxy Laboratories Limited, New Delhi, IN (RANB-N)

Inventor: Mehta, Anita, Haryana, IN

Sudershan, Arora K., Haryana, IN

Das, Biswajit, New Delhi, IN

Ray, Abhijit, New Delhi, IN

Rudra, Sonali, New Delhi, IN

Rattan, Ashok, New Delhi, IN

Agent: Deshmukh, Esq., Jayadeep R., US

Heibel, Esq., George E., US

Language: EN

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Original US Class (secondary): 544369

Original Abstract:

The present invention relates to certain substituted phenyl oxazolidinones and to processes for the synthesis of the same. This invention also relates to pharmaceutical compositions containing the compounds of the present invention as antimicrobials. The compounds are useful antimicrobial agents, effective against a number of human and veterinary pathogens, including gram-positive aerobic bacteria such as multiply-resistant staphylococci, streptococci and enterococci as well as anaerobic organisms such as *Bacteroides* spp. and *Clostridia* spp. species, and acid fast organisms such as *Mycobacterium tuberculosis*, *Mycobacterium avium* and *Mycobacterium* spp.

Claim:

What is claimed is:

1. A process for preparing a compound of Formula XI[C00029](R₁₆L-CH₂F or --CHF₂) by reacting a compound of Formula IX[C00030] with sodium borohydride to produce a compound of Formula X[C00031] and further reacting this compound with diethylamino sulfurtrifluoride to produce compound of Formula XI.

WIPO

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**OXAZOLIDINONE DERIVATIVES AS ANTIMICROBIALS
DERIVES D'OXAZOLIDINONE UTILISES EN TANT QU'ANTIMICROBIENS**

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IN Residence: IN Nationality: IN (RANB-N)

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Language: EN (126 pages, 0 drawings)

Application: WO 2001IB1262 A 20010716 (Local application)

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Original Abstract:

The present invention relates to certain substituted phenyl oxazolidinones and to processes for the synthesis of the same. This invention also relates to pharmaceutical compositions containing the compounds of the present invention as anti-microbials. The compounds are useful antimicrobial agents, effective against a number of human and veterinary pathogens, including gram-positive aerobic bacteria such as multiply-resistant staphylococci, streptococci and enterococci as well as anaerobic organisms such as *Bacteroides* spp. and *Clostridia* spp. species, and acid fast organisms such as *Mycobacterium tuberculosis*, *Mycobacterium avium* and *Mycobacterium* spp.

L'invention concerne certaines oxazolidinones de phenyle substituees et leur procede de synthese. Cette invention concerne egalement des compositions pharmaceutiques contenant les composes en tant qu'antimicrobiens de l'invention. Les composes sont des agents antimicrobiens utiles, efficaces contre un certain nombre de pathogenes humains et veterinaires, y compris des bacteries aerobies gram-positive tels que les staphylococci, streptococci et enterococci polyresistants, de meme que des organismes anaerobies tels que des especes bacteroides spp. et clostridie spp., et contre des organismes acido-resistants tels que mycobacterium tuberculosis, mycobacterium avium et mycobacterium spp.

South Africa

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Assignee: RANBAXY LAB LTD (RANB-N)

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(R,I,M,JP,20060101,20051220,C,L) A61K-31/4468(R,I,M,JP,20060101,20051220,A,L) A61K-31/4468

(R,I,M,JP,20060101,20051220,C,L) A61K-31/496(R,I,M,JP,20060101,20051220,A,L) A61K-31/496

(R,I,M,JP,20060101,20051220,C,L) A61K-31/5375(R,I,M,JP,20060101,20051220,C,L) A61K-31/5377

(R,I,M,JP,20060101,20051220,A,L) A61K-31/541(R,I,M,JP,20060101,20051220,A,L) A61K-31/541

(R,I,M,JP,20060101,20051220,C,L) A61P-31/00(R,I,M,JP,20060101,20051220,C,L) A61P-31/04

(R,I,M,JP,20060101,20051220,A,L) A61P-43/00(R,I,M,JP,20060101,20051220,A,L) A61P-43/00

(R,I,M,JP,20060101,20051220,C,L) C07D-263/00(R,I,M,JP,20060101,20051220,C,F) C07D-263/20

(R,I,M,JP,20060101,20051220,A,F) C07D-413/00(R,I,M,EP,20060101,20051008,C) C07D-413/10

(R,I,M,EP,20060101,20051008,A) C07D-413/12(R,I,M,EP,20060101,20051008,A) C07D-413/14

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